

1/4

Fig. 1

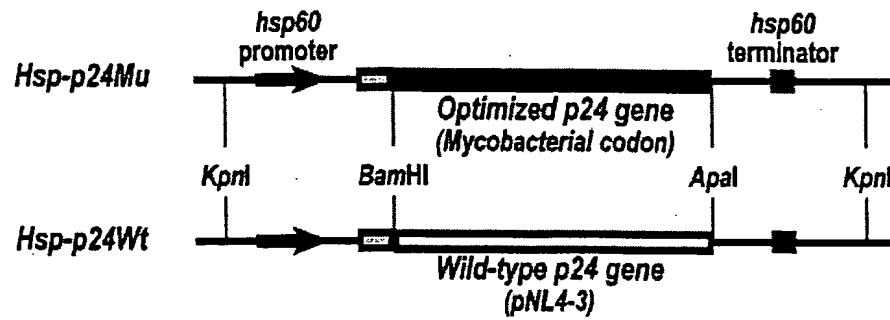
pNL4-3 ^a Optimize	A.A. seq	BamHI	1 GGATCCTATAGTGCAGAACTCCAGGGGCAATGGTATACATCAGGCCATATCACCTAGAACTTTAAATGCATGGTAAAGTAGTAGAGA	90
			1G..C..C.....G.....C..G.....C.....C..G..GC..C..CC..G..C.....C..G..C..C..G..	90
			***** P I V Q N L Q G Q M V H Q A I S P R T L N A W V K V V E E	
pNL4-3 Optimize	A.A. seq		91 GAAGGCTTCAGCCAGCAAGTAATACCATGTTTTCAGCATTTATCAGAGGAGGCCACCCCAAGATTAAATACCATGCTAAACACAGT	180
			91C....TCG..G..G..C..C..G.....C..G..CC..G..G..C.....G..G..CC..G..C.....G.....C....	180
			***** K A F S P E V I P M F S A L S E G A T P Q D L N T M L N T V	
pNL4-3 Optimize	A.A. seq		181 GGGGGACATCAAGCAGCCATGCAATGTTTAAAGAGACCATCAATGAGGAGCTGCAGATGGGATAGTTGCATCCAGTGCATGCAGG	270
			181 C..C..C..C..G..C.....G..C..G.....C.....G..C..C..G.....C..C..G.....C..C..C..C..C..	270
			***** G G H Q A A M Q M L K E T I N E E A A E W D R L H P V H A G	
pNL4-3 Optimize	A.A. seq		271 GCCTATTGCACCGGCGAGATGAGAGAACCAAGGGAGTGCATAGCAGGAAGTACCTAGTACCTTCAGGAACAATAGGATGGATGAC	360
			271 C..C..C.....G.....C..C..G..TC..C..CTCG.....C..C..C..C..CTCG.....C.....G..G..C..C.....	360
			***** P I A P G Q M R E P R G S D I A G T T S T L Q E Q I G W M T	
pNL4-3 Optimize	A.A. seq		361 ACATAATCCACTATCCAGTAGGAGAAATCTATAAAGATGGATATCTGGGATTAATAATAGTAAATAGTATAGCCCTACCAG	450
			361 C..C..C..G..G.....G..C..G.....C..GC..C.....C.....C..C..G.....C..C..G.....C..C..G.....	450
			***** H N P P I P V G E I Y K R W I I L G L N K I V R M Y S P T S	
pNL4-3 Optimize	A.A. seq		451 CATTCGGACATAAGCAAGCAAGCAACCTTTAGACTATGTAGACCGATTCTATAAACTCTAAGAGCCGAGCAAGCTTCACA	540
			451 G..C.....CC..C..G..T..G.....G..G..CC..C.....C..C.....C..C..G..C..C..C.....G..G..G..	540
			***** I L D I R Q G P K E P F R D Y V D R F Y K T L R A E Q A S Q	
pNL4-3 Optimize	A.A. seq		541 AGAGGTAAATAATTGGATGACAGAAACCTTGTGTCCAAATCGGAACCCAGATTGTAAAGCATTTTAAAGCATGGGACGAGGC	630
			541 G.....C..G..C.....C..G..C..C.....G..C..C.....G..C..C.....C..C..G..C..C.....T..G..C..	630
			***** E V K N W M T E T L L V Q N A N P D C K T I L K A L G P G A	
pNL4-3 Optimize	A.A. seq		631 GACACTAGAAGAAATGATGACAGCATGTGAGGAGTGGGGACCCGGCCATTAAGCAAGATTGTGAAGGGCCC	706
			631 C..C..G..G.....C..C..C.....C..C..C..C..C..C.....C..G..GC..C..CC.....	706
			***** T L E E M M T A C Q G V G G P G H K A R V L Ter	

Apal

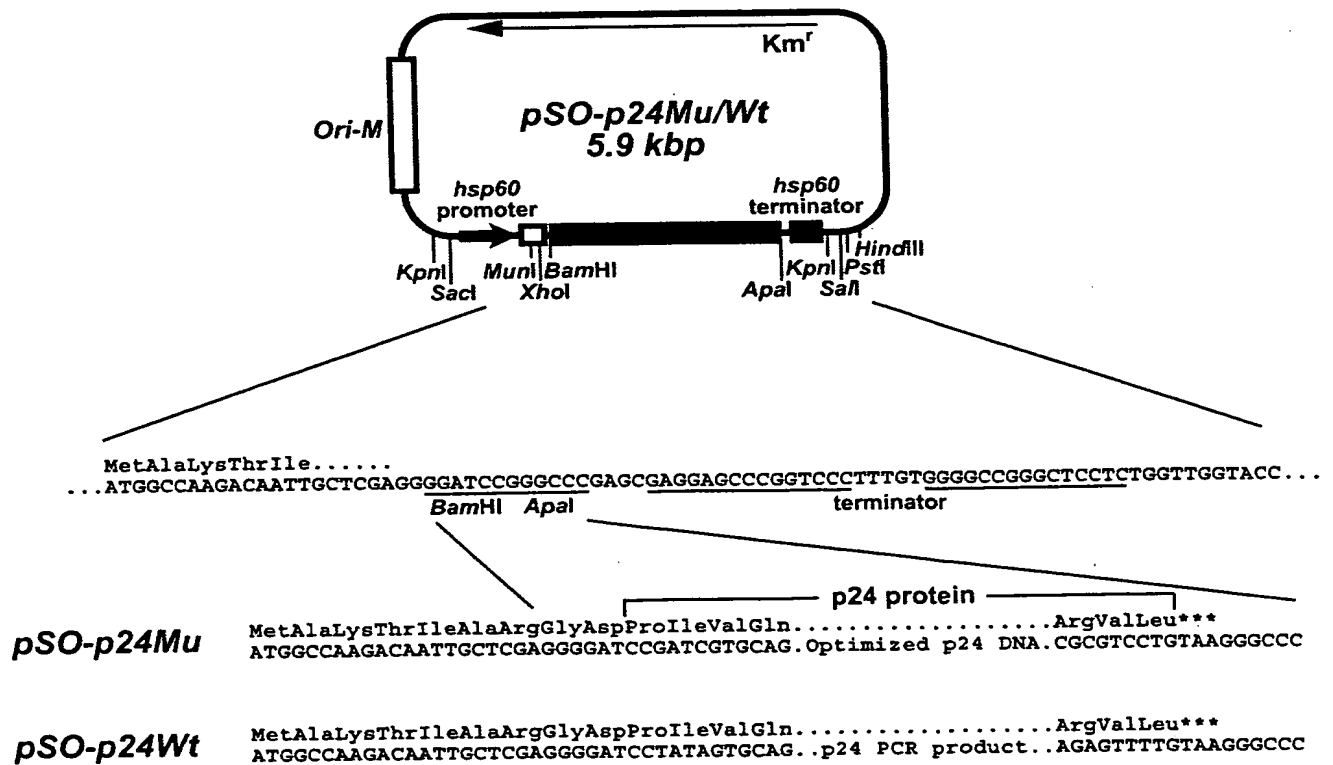
2/4

F i g . 2

A

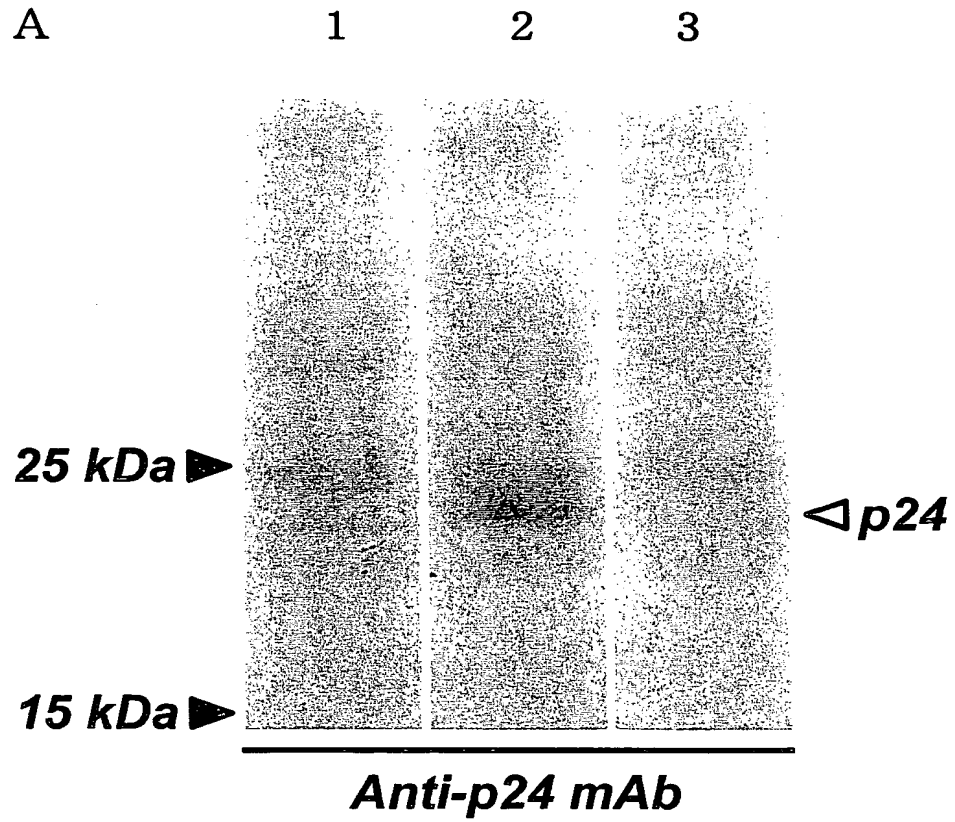


B



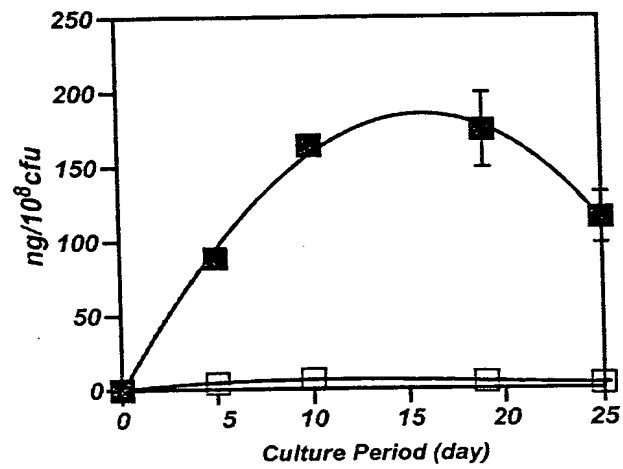
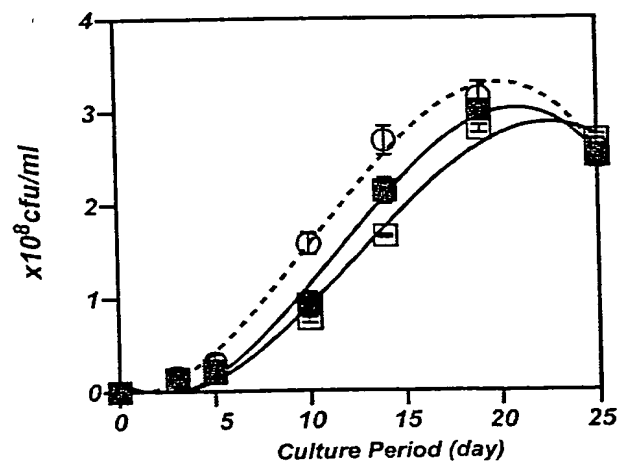
3/4

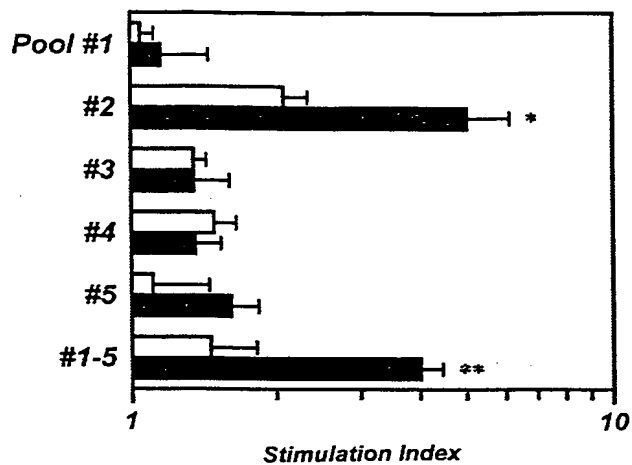
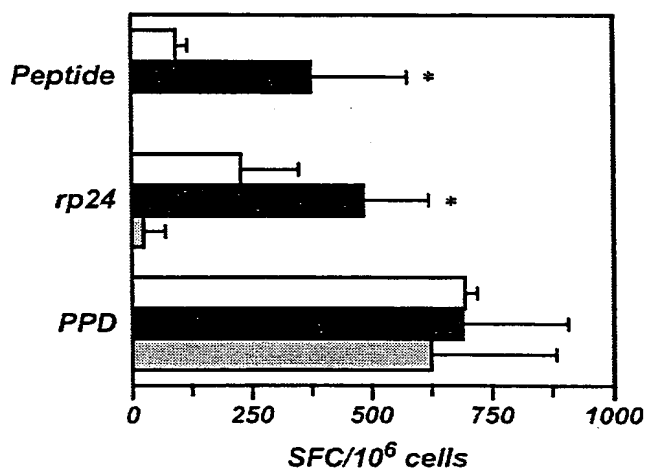
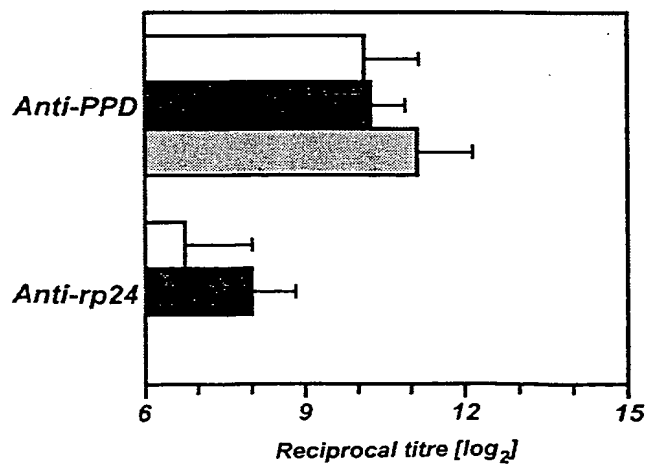
F i g . 3



1/3/4

Fig. 3/1

B**C**

4/4
Fig. 4**A****B****C**

BEST AVAILABLE COPY